

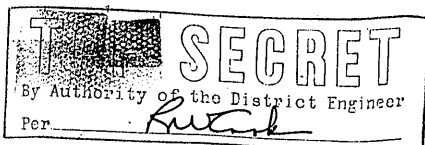
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Manhattan District History

Book III - Liquid Thermal Diffusion (S-50) Project

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CLASSIFICATION CANCELLED	
DATE	3/30/76
For the U. S. Energy Research and Development Administration	
<i>Robert H. Hunt</i>	
Division of Classification	



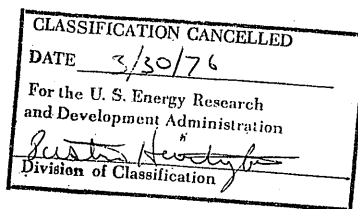
This document consists of 2 pages
No. 1 of 4 copies, Series *a*

R. W. COOK *XIII-26*
Lt. Col., Corps of Engr.

MANHATTAN DISTRICT HISTORY

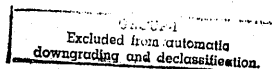
BOOK VI- LIQUID THERMAL DIFFUSION (S-50) PROJECT

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Classification (Cancelled) (Changed to *Secret*)
By Authority of *Am. T. Riley, AEC, Ch. dtd Mar 19, 1952*
By *Capt. J. F. Kelenius, USA, Capt* Date *21 March 52*
per [signature]

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MANHATTAN DISTRICT HISTORY

BOOK VI - LIQUID THERMAL DIFFUSION (S-50) PROJECT

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1. Milking Capsules. - The metering capsule on most circuits was of one pound capacity. In some cases it was found that a 1-1/2 pound capsule could be used with little or no reduction in milking schedule. The receiver capsule was of five pound capacity.
2. Shipping Containers. - The containers used for shipment of S-50 product to other CEW plants were of sixty pound capacity.
3. Milking Schedules. - Normally one pound of product was withdrawn from each circuit every 4-3/4 hours. The scheduled daily output of each rack, with four circuits and one pound metering capsules, was thus twenty pounds of product.

4. Plant Production Table.

<u>Month</u>	<u>Output of Product (pounds)</u>
October 1944	10.5
November	171.8
December	157.5
January 1945	840.9
February	3158.0
March	6004.4
April	9083.8
May	9299.4
June	12730.1
July	3381.8
August	8879.0
September	2786.8
Total	56504.0

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GROUP 1
Excluded from automatic
downgrading and declassification.



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5. Unit Cost. - By combination of the table above with the table in Section 5-10, the following unit costs are calculated:

<u>Month</u>	<u>Unit Cost (\$/lb.)</u>
January 1945	553
February	220
March	130
April	125
May	80
June	58
July	177



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